No.



200100073

THIE UNITED STATES OF AMIERIOA

Pioneer Hi-Bred International, Inc.

PLOTES, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDIGATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS, FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE SHIT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR MING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE URPOSE, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT BY THE PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

SOYBEAN

'93B85'

In Testimonn Microst, I have hereunto set my hand and caused the seal of the Mint Interior Protection Office to be affixed at the City of Washington, D.C. this eighth day of May, in the year of our Lord two thousand one.

alank Port

I lant Variety Protection Office I Agricultural Marketing Service Agriculture

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION OFFICE

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

(Instructions and information collections)	ction burden statement on re	everse)				
1. NAME OF OWNER Pioneer Hi-Bred International, Inc.				TEMPORARY DESIGNATION OR EXPERIMENTAL NAME		2. VARIETY NAME 93B85
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country) 7300 N. W. 62 nd Avenue P. O. Box 1004 Johnston, IA 50131				5. TELEPHONE (include area code) 515-254-2638		FOR OFFICIAL USE ONLY PVPO NUMBER
				6. FAX (include area code 515-253-2288)	FILING DATE
7. IF THE OWNER NAMED IS NOT A "PERS ORGANIZATION (corporation, partnership, Corporation	ON", GIVE FORM OF association, etc.)	8. IF INCORPORA STATE OF INCO		9. DATE OF INCORPORA May 6, 1926	ATION	January 18,200
10. NAME AND ADDRESS OF OWNER REDATIA Schmidt, Ph.D. 7300 NW 62 nd Ave. P.O. Box 1004 Johnston, Iowa 50131-1004	Ј(7. Р.	FHIS APPLICATION. (F ean Bromert (100 NW 62 nd Ay . O. Box 1000 ohnston, Iowa	copy) /e.	receive all papers)		FILING AND EXAMINATION FEES: \$ 2705 — BE DATE JAM. 18,200 CERTIFICATION FEE: DATE 4/13/0/
11. TELEPHONE (Include area code) 515-254-2638	12. FAX (Include area code) 515-253-2288		MANL dtdh@phibred	.com	14. CRC	P KIND (Common Name)
yerification that tissue culture wirepository) g. Filing and Examination Fee (\$2 States" (Mail to the Plant Variety) 22. HAS THE VARIETY (INCLUDING ANY HAFFROM THIS VARIETY BEEN SOLD, DISPOTHER COUNTRIES? YES IF YES, YOU MUST PROVIDE THE DATE FOR EACH COUNTRY AND THE CIRCUM 24. The owners declare that a viable sample of for a tuber propagated variety a tissue culture.	chess on of Variety on of the Variety on of the Variety on of the Variety (Optional) sis of the Owner's Ownership untreated seeds or, for tuber propagated be depositied and maintained in an analysis of the Owner's Ownership Untreated seeds or, for tuber propagated to depositied and maintained in an analysis of the depositied and maintained in an analysis of the depositied of the "Treasurer or Protection Office) RVESTED MATERIAL) OR A HYBRIT OSED OF, TRANSFERRED, OR USE NO OF FIRST SALE, DISPOSITION, TRANSTANCES. (Please use space indicates the protection of the variety will be furnitive will be deposited in a public reposited.	ated varieties, approved public of the United D PRODUCED ED IN THE U. S. OR RANSFER, OR USE cated on reverse.) ished with application a sitory and maintained for	20. DOES THE O'VARIETY BE IF YES, WHICE 21. DOES THE O'LIMITED AS THE O'LIMITED AS THE O'LIMITED AS THE VARIETY BE 23. IS THE VARIETY BE IF YES, GIVE O'REFERENCE IN THE O'LIMITED AS THE VARIETY BE IF YES, GIVE O'REFERENCE IN THE O'LIMITED AS THE VARIETY BE IF YES, GIVE O'REFERENCE IN THE O'LIMITED AS THE VARIETY BE IF YES, GIVE O'REFERENCE IN THE O'LIMITED AS THE O'LIMIT	SEED? See Section 83(a) of 6 (If "yes", answer items 20 and 21 below) WNER SPECIFY THAT SEED CLIMITED AS TO NUMBER OF CUNDATION WNER SPECIFY THAT THE CLIONUMBER OF GENERATION: WNER SPECIFY THAT THE CLIONUMBER OF GENERATION: IFY THE FOUNDATION Explanation is necessary, please TY OR ANY COMPONENT OF IGHT (PLANT BREEDER'S RIGHT) COUNTRY, DATE OF FILING ONUMBER. (Please use space in dupon request in accordance we certificate.	OF THIS CLASSES? TION FASSES BE S? ON SETTION FASSES BE S?	NO (If "no," go to item 22) YES NO REGISTERED CERTIFIED YES NO REGISTERED CERTIFIED TO PROTECTED BY INTELLECTUAL ENT)? HO E AND ASSIGNED everse.) Italiations as may be applicable, or
The undersigned owner(s) is(are) the owne and is entitled to protection under the provision owner(s) is(are) informed that false representations of the provision of the provisi					iform, and sta	able as required in Section 42,
NAME (Please print or type) Daria H. Schmidt	mcd		NAME (Please prin	it or type)		
CAPACITY OR TITLE Director, Associative Genetics/Technology Integra S&T-470 (2-99) designed by the Plant Variety Prof		Replaces STD 470 (6	CAPACITY OR TIT		ctions and in	DATE formation collection burden statement)

GENERAL: To be effectively filed with the Plant Variety Protection Office (PVPO), ALL of the following items must be received in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E; (3) for a seed reproduced variety at least 2,500 viable untreated seeds, for a hybrid variety at least 2,500 untreated seeds of each line necessary to reproduce the variety, or for tuber reproduced varieties verification that a viable (in the sense that it will reproduce an entire plant) tissue culture will be deposited and maintained in an approved public repository; (4) check drawn on a U.S. bank for \$2,705 (\$320 filing fee and \$2,385 examination fee), payable to "Treasurer of the United States" (See Section 97.6 of the Regulations and Rules of Practice.) Partial applications will be held in the PVPO for not more than 90 days, then returned to the applicant as unfiled. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 500, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. Retain one copy for your files. All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. DO NOT use masking materials to make corrections. If a certificate is allowed, you will be requested to send a check payable to "Treasurer of the United States" in the amount of \$320 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

Plant Variety Protection Office Telephone: (301) 504-5518 FAX: (301) 504-5291

Homepage: http://www.ams.usda.gov/science/pvp.htm

ITEM

- 18a, Give:
- (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method;
- (2) the details of subsequent stages of selection and multiplication;
- (3) evidence of uniformity and stability; and
- (4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- 18b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:
 - (1) identify these varieties and state all differences objectively;
 - (2) attach statistical data for characters expressed numerically and demonstrate that these are clear differences; and
 - (3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.
- 18c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.
- 18d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 18e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.
- 19. If "Yes" is specified (seed of this variety be sold by variety name only, as a class of certified seed), the applicant MAY NOT reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See Regulations and Rules of Practice, Section 97.103).
- 21. See Section 83 of the Act for the Contents and Term of Plant Variety Protection.
- 22. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
- 23. See Section 5.5 of the Act for instructions on claiming the benefit of an earlier filing date.
- 21. CONTINUED FROM FRONT (Please provide a statement as to the limitation and sequence of generations that may be certified.)
- 22. CONTINUED FROM FRONT (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)
- 23. CONTINUED FROM FRONT (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)
- U.S. Patent 4,940,835 issued to Shah et al. as per the Roundup Ready Gene in this variety

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. There is no charge for filing a change of address. The fee for filing a change of ownership or assignment or any modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the Regulations and Rules of Practice.)

To avoid conflict with other variety names in use, the applicant must check the variety names proposed by contacting: Seed Branch, AMS, USDA, Room 213, Building 306, Beltsville Agricultural Research Center--East, Beltsville, MD 20705. Telephone: (301) 504-8089.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this collection of information is (0581-0055). The time required to complete this information collection is estimated to average 1.4 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, political beliefs, sexual orientation, and marital or family status. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact the USDA's TARGET Center at 202-720-2600 (voice and TDD). To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call (202) 720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.

Exhibit A. Origin and Breeding History of the Variety

Soybean Variety 93B85

Variety 93B85 evolved from a 1996 cross of 9352////92B91///A4715///9362//9392<2/A5403G40-3-2.

It is an F3-derived variety, which was advanced to the F3 generation by modified single-seed descent. The F4 progeny row of 93B85 was grown in the winter of 1997 in Chile. Subsequently, 93B85 has undergone three of extensive testing and purification and has been observed by the breeder to be uniform and stable for all plant traits from generation to generation, with no evidence of variants. On the basis of resistance to Roundup branded herbicides, SCN resistance, and BSR resistance, variety 93B85 was assigned a commercial number.

The purification block was grown during the summer of 1999 and 72 sublines were bulked for increase. Fifty acres of 93B85 (breeders seed) were grown in the winter of 1999. 1,817 acres of parent seedstock (foundation seed equivalent) were grown in the summer of 2000 and approximately 81,765 bushels harvested.

Exhibit B. Statement of Distinctness

Soybean Variety 93B85

Variety 93B85 is most similar to variety 93B67. Both have tawny pubescence, yellow seeds with black hila, and are resistant to Roundup branded herbicides. However, 93B85 has purple flowers and 93B67 has white flowers. Additionally, 93B85 is susceptible to race 1 of *Phytophthora megasperma* var. sojae and 93B67 is resistant.

Variety 93B85 is also similar to variety 94B01. Both have tawny pubescence, yellow seeds with black hila color, and are resistant to Roundup branded herbicides. However, 93B85 has purple flowers while 94B01 has white flowers.

Variety 93B85 is also similar to 93B82. Both have purple flowers and yellow seeds with black hilia. However, 93B85 has tawny pubescence and is resistant to Roundup branded herbicides while 93B82 has light tawny pubescence and is susceptible to Roundup branded herbicides.

Variety 93B85 is also similar to 9396. Both have tawny pubescence, yellow seeds with black hila, and resistance to Roundup branded herbicides. However, 93B85 has purple flowers and 9396 has white flowers.

Variety 93B85 is also similar to DSR 381RR from Dairyland Seeds. Both have purple flowers, tawny pubescence, yellow seeds with black hila, and resistance to Roundup branded herbicides. However, 93B85 is susceptible to race 5 of *Phytophthora megasperma* var. sojae and DSR 381RR is resistant.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this collection of information is (0581-0055). The time required to complete this information collection is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call (202) 720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.

U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE SCIENCE AND TECHNOLOGY PLANT VARIETY PROTECTION OFFICE BELTSVILLE, MD 20705

EXHIBIT C (Soybean)

OBJECTIVE DESCRIPTION OF VARIETY SOYBEAN (Glycine max (L.) Merr.)

NAME OF APPLICANT(S)	FOR OFFICIAL USE ONLY
Pioneer Hi-Bred International, Inc.	PVPO NUMBER
ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code) 7300 N. W. 62 nd Avenue	VARIETY NAME
P. O. Box 1004 Johnston, IA 50131	93B85
······································	TEMPORARY OR EXPERIMENTAL DESIGNATION
PLEASE READ ALL INSTRUCTIONS CAREFULLY: Place the appropriate number that describes the vibelow.	arietal character of this variety in the boxes
Place a zero in the first box (e.g 9 9 9 or 0 9) when number is either 99 or less quantitative	s or 9 or less respectively. Data for
plant characters should be based on a minimum of 100 plants. Comparative data should be determined from	om varieties entered in the same trial. Royal
Horticultural Society or any recognized color standard may be used to determine plant colors; designate sy	ystem used:
Please answer all questions for your variety; lack of response may delay progress of your application.	
A. MORPHOLOGY	
Seed Shape:	
1 = Spherical 2 = Spherical-Flattened (L/W, L/T, and T/W ratios < 1.2) (L/W ratio > 1.2; L/T ratio	< 1.2)
3 = Elongate $4 = Elongate-Flattened$ (L/T ratio > 1.2; T/W ratio < 1.2) (L/T ratio > 1.2; T/W ratio	> 1.2)
Seed Coat Color:	
1 = Yellow 2 = Green 3 = Brown 4 = Black	5 = Other (Please Specify)
Seed Coat Luster:	
1 = Dull 2 = Shiny	
Seed Size:	
1 3 grams/100 seeds	
Hilum Color:	
	5 = Imperfect Black

A. MORPHOLOGY (Continued)

Cotyledon Color:

1 1 = Yellow 2 = Green

Seed Protein Peroxidase Activity:

 $\boxed{2} \quad 1 = \text{Low} \qquad 2 = \text{High}$

Hypocotyl Color:

1 = Green 2 = Green with Bronze
('Evans' or 'Davis') Bands below Cotyledons
('Woodworth' or 'Tracy')

3 = Light Purple below Cotyledons ('Beeson' or 'Pickett 71')

4 = Dark Purple extending to unifoliolate leaves ('Hodgson', 'Coker', or 'Hampton 266A')

* **20**0 10 00 7 3

Leaflet Shape:

 $\begin{vmatrix} 3 \end{vmatrix}_{1}$ = Lanceolate

2 = Oval

3 = Ovate

4 = Other (*Please Specify*)

Flower Color:

 $2 \mid 1 = White$

2 = Purple

3 = White with a Purple Throat

Pod Color:

2 1 = Tan

2 = Brown

3 = Black

Pubescence Color:

 $2 \mid 1 = Gray$

2 = Brown (Tawny)

3 = Light Tawny

Plant Habit:

 $3 \mid 1 = Determinate$

2 = Semi - Determinate

3 = Indeterminate

4 = Intermediate

Maturity Group:

0 6

1 = 000 6 = III 11 = VIII

2 = 007 = IV12 = IX

3 = 0 8 = V 13 = X

4 = I9 = VI14 = XI

10 = VII15 = XII

 $5 = \Pi$

Maturity Subgroup:

8

Please enter a value from 0 - 9

B. DISEASE REACTIONS

0 = Not Tested

1 = Susceptible

2 = Resistant

3 = Tolerant

Bacterial

Bacterial Pustule (Xanthomonas campestris pv. glycines (Nakano) Dye)

Bacterial Blight (*Pseudomonas syringae* pv. glycinea (Coerper) Young, Dye, & Wilkie)

Wildfire Blight (*Pseudomonas syringae* pv. tabaci (Wolf & Foster) Young, Dye, & Wilkie)

		***	2001000 /.0
B. DISEASE REACTIONS (Continued)	0 = Not Tested	1 = Susceptible	2 = Resistant $3 = Tolerant$
Fungal			
Brown Spot (Septoria glycines Hemi	mi)		
Frogeye Leaf Spot (Cercospora sojin	a Hara)		
0 race 1 0	race 2	0 race 3	0 race 4
0 race 5	race 6	0 Other	(Please Specify)
Target Spot (Corynespora cassiicola	(Berk. & Curt.) We	i)	
Downey Mildew (Peronospora trifoli	orum var. manchuri	ica (Naum.) Syd. ex G	Säum)
Powdery Mildew (Microsphaera diff	usa Cke. & Pk.)		
Brown Stem Rot (Phialophora grega	ta (Allington & Cha	nberlain) W. Gams.)	
Stem Canker (Diaporthe phaseolorus	n (Cke. & Ell.) Sacc	. var. <i>caulivora</i> Atho	w & Caldwell)
Pod and Stem Blight (Diaporthe pha.	seolorum (Cke. & El	I.) Sacc. var. <i>sojae</i> (L	ehman) Wehm.)
0 Purple Seed Stain (Cercospora kikuc	hii (T. Matsu. & To	noyasu) Gardener)	
1 Rhizoctonia Root Rot (Rhizoctonia se	olani Kühn)		
Phytophthora Root Rot (Phytophthora megas	perma Drechs. f. sp.	glycinea (Kuan & Er	ewin))
1 race 1 0 race 8	race 15	0 race 22	
	race 16	0 race 23	
	race 17	0 race 24	
0 race 4 0 race 11	race 18	0 race 25	
1 race 5 0 race 12	race 19	0 race 26	
0 race 6 0 race 13	race 20	Other (Please S	pecify)
0 race 7 0 race 14	race 21		
Bud Blight (Tobacco Ringspot Virus)	1		
1 Yellow Mosaic (Bean Yellow Mosaic	Virus)		

B. DISEASE REACTIONS (Continued)	0 = Not Tested 1	= Susceptible	$2 = Resistant $ 0_3	0 1 0 0 0 7 3 Tolerant
1 Cowpea Mosaic (Cowpea Chlorotic	Virus)			
Pod Mottle (Bean Pod Mottle Virus))			
Seed Mottle (Soybean Mosaic Virus))			
Nematode				
Soybean Cyst Nematode (Heterodera glycines	r Ichinohe)			`
0 race 1 0 race 4 0 race 5	0 race 9 3 race 14			
2 race 3 0 race 6	0 Other (Plea	ase Specify)		
0 Lance Nematode (Hoplolaimus colum	nbus Sher)			
O Southern Root Knot Nematode (Mele	oidogyne incognita (Kofoi	id & White) Chit	wood)	
0 Northern Root Knot Nematode (Mela	oidogyne hapla Chitwood)		
Peanut Root Knot Nematode (Meloid	logyne arenaria (Neal) Cl	nitwood)		
0 Reniform Nematode (Rotylenchus ren	niformus Linwood & Oliv	vera)		
0 Javanese Nematode (Meloidogyne jav	anica (Treub) Chitwood)			
Other Nematode (Please Specify)				
	0 = Not Tested 1 =	= Susceptible	2 = Resistant 3	= Tolerant
Iron Chlorosis on Calcareous Soil				
0 Phosphorus	Other (Plea	se Specify)		-
0 Boron				
0 Aluminum				
0 Salt				
0 Drought				

- TN	CHOP DE LOPEONO				
0	SECT REACTIONS Mexican Bean Beetle (<i>Epilachna va</i>	0 = Not Tested urivestis Mulsant)	1 = Susceptible	2 = Resistant	3 = Tolerant
0	Potato Leaf Hopper (Empoasca fab	oae (Harris))			
0	Other (Please Specify)		·····		
E. HE	RBICIDE REACTIONS	0 = Not Tested	1 = Susceptible	2 = Resistant	
2	Metribuzin				
0	Bentazone				
0	Sulfonylurea			,	
2	Glyphosate			·	
0	Glufosinate				·
0	Pendimethalin				
0	Other (Please Specify)	**I - *********************************			
F. TR	ANSGENIC COMPOSITION	· · · · · · · · · · · · · · · · · · ·			
or, the	development of the subject variety is removal of genetic material from the dease complete the following inform	application variety?			other than a soybean,
1. Plea	se state the vector's name:				
2. Plea	se state the vector components:				
3. Plea	se describe the genetic material suc	cessfully transferred	into the subject varie	ty:	
4. Plea	se describe the insertion protocol:				
	nture citation(s) explaining the four enic Composition" portion of this fo		above may be an acc	eptable alternativ	e to completion of the
	ion is fully address in the following pu zed in Figure 1 and Table 1 on page 14		tails of the vector comp	oonents and insert o	elements are
Padgette, 35:1451	S.R. et al. Development, Identification-1461	on, and Characterizatio	n of a Glyphosate-Tole	erant Soybean Line	. 1995. Crop Science.
					3444

G. BIOCHEMICAL MARKERS

200100073

Please describe any biochemical information here, which you believe will be helpful in further describing the subject variety (e.g. Simple Sequence Repeats, Restriction Fragment Length Polymorphisms, Isozymic Characterization). Use additional pages if necessary.

H. COMMENTS

Exhibit D. Additional Description of the Variety

Soybean Variety 93B85

In Exhibit C we have identified variety 93B85 as susceptible to bacterial blight, brown spot, pod and stem blight, rhizoctonia root rot, bud blight, yellow mosaic, cowpea mosaic, pod mottle and seed mottle.

This does not mean that variety 93B85 is any worse for these problems than other varieties of similar maturity. Rather, we do not consider 93B85 to be immune to these problems. Therefore, we have chosen to be conservative and have identified the line as "susceptible".

Variety 93B85 is a late Group III variety. If Group III varieties are divided into tenths, the relative maturity of 93B85 is 3.8.

.S.C. 552a) and the Paper F	2. VARIETY NAME 93B85 6. FAX (Include area code) 515~253~2288 X YES NO X YES NO owing:
is to be issued (7 U.S.C. 24 al until the certificate is issue) RARY DESIGNATION PERIMENTAL NUMBER HONE (Include area code) -2638 NUMBER 2 0 1 0 0 0 e block.	(21). The information is held ed (7 U.S.C. 2426). 2. VARIETY NAME 93B85 6. FAX (Include area code) 515-253-2288 X YES NO X YES NO
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HONE (Include area code) -2638 NUMBER 2 0 0 1 0 0 0 block.	6. FAX (Include area code) 515-253-2288 X YES NO X YES NO owing:
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nal owner(s) a U.S. Nationa	al(s)?
original owner(s) a U.S. bas	sed company?
ce):	
•	
et the following criteria:	
e a U.S. national, national c the same genus and specie	of a UPOV member country, or es.
	must be U.S. based, owned by o nationals of the U.S. for the same
r and the applicant must m	eet one of the above criteria.
al breeding. See Section 4	1(a)(2) ot the Plant Variety Protection
ic e ni	eet the following criteria: De a U.S. national, national of the same genus and specienal breeder(s), the company h affords similar protection the rand the applicant must mer and the applicant must mer.

instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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